

Claims

1. An apparatus for the surface working of a workpiece (2) by blasting
with an abrasive blasting material (3), including a storage container
5 (4) for the blasting material (3), a metering device (5) and a device
for blasting (6), with the device for blasting (6) having a blasting ma-
terial feed (7) with an inlet (8) and an outlet (9) for the blasting ma-
terial (3), and the blasting material (3) being able to be fed to a jet
region (10) through the blasting material feed (7) and the outlet (9),
10 as well as with a pressure supply (11) for the deflection of a blasting
material flow (12) emerging from the outlet (9) by means of a pres-
sure medium (13), characterised in that control means (14) for the
introduction of the blasting material flow (12) are provided at the
inlet of the blasting material feed (7).
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2. An apparatus in accordance with claim 1, wherein the control
means (14) include the metering device (5).
3. An apparatus in accordance with claim 1 or claim 2, wherein the
20 control means (14) include an injector nozzle (141).
4. An apparatus in accordance with any one of the preceding claims,
wherein the metering device (5) is arranged at the storage container
(4).
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5. An apparatus in accordance with any one of the preceding claims,
wherein the metering device (5) is connected to the blasting material
feed (7) by means of a connection line (16).

6. An apparatus in accordance with any one of the preceding claims, wherein a flowmeter (15) is provided for the measurement of a mass flow of the blasting material (3).
- 5 7. An apparatus in accordance with any one of the preceding claims, wherein the pressure supply (11) has, in the jet region (10), an end-
piece (71) which deflects the pressure medium (13) and has an
opening (72) and the pressure supply (11) is rotatably arranged
10 about a longitudinal axis (L) of the blasting material feed (7), with
the opening (72) of the endpiece (71) of the pressure supply (11) be-
ing arranged and alignable such that the blasting material flow (12)
emerging from the outlet (9) of the blasting material feed (7) can be
deflected.
- 15 8. An apparatus in accordance with claim 7, wherein the pressure
supply (11) is rotatable by a rotary drive (17) about the longitudinal
axis (L) of the blasting material feed (7).
- 20 9. An apparatus in accordance with any one of the preceding claims,
wherein a freely programmable control unit is provided for the con-
trol and/or regulation of the metering device (5) and/or of the con-
trol means (14) for the introduction of the blasting material flow (12)
and/or of the rotary drive (17).
- 25 10. Use of the apparatus (1) in accordance with any one of the preced-
ing claims for the blasting of bore walls or tube walls, in particular
of cylinders of reciprocating combustion engines.